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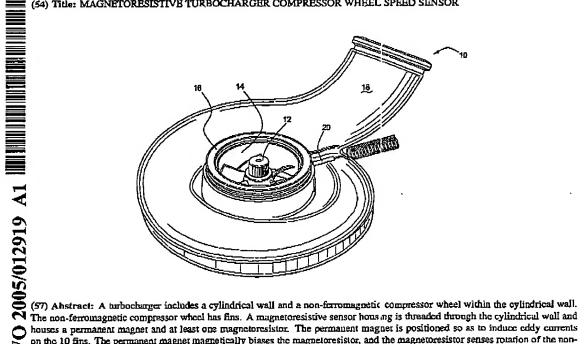
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[Continued on next page]

(54) Title: MAGNETORESISTIVE TURBOCHARGER COMPRESSOR WHEEL SPEED SENSOR



houses a permanent magnet and at least one magnetoresistor. The permanent magnet is positioned so as to induce eddy currents on the 10 fins. The permanent magnet magnetically biases the magnetoresistor, and the magnetoresistor senses rotation of the nonferromagnetic compressor wheel.

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